

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



550184

(43) International Publication Date  
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number  
WO 2004/084973 A2

(51) International Patent Classification<sup>7</sup>: A61M  
(21) International Application Number:  
PCT/US2004/009009  
(22) International Filing Date: 24 March 2004 (24.03.2004)  
(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data:  
60/457,054 24 March 2003 (24.03.2003) US

(71) Applicant (for all designated States except US): BEC-  
TON, DICKINSON AND COMPANY [US/US]; 1 Bec-  
ton Drive, Franklin Lakes, NJ 07417 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HOANG, Minh  
Quang [US/US]; 7954 English Oaks Cover, Sandy, UT  
84093 (US). HUNT, Donald Edward [US/US]; 2402  
West 90 South, Provo, UT 84601 (US).

(74) Agents: BALDAUF, Kent E., Jr. et al.; Webb Ziesenheim  
Logsdon, Orkin & Hanson, P.C., 700 Koppers Building,  
436 Seventh Avenue, Pittsburgh, PA 15219-1818 (US).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: INVISIBLE ANTIMICROBIAL GLOVE AND HAND ANTISEPTIC

(57) Abstract: An alcohol based hand surgical scrub, which includes cationic anti-microbial agent preservatives, cationic polymer film-forming agents and a skin emollient, and provides a long term residual, anti-microbial "invisible glove" on the skin. The composition provides an immediate reduction in bacterial microbes. The polymer system creates an invisible film on the skin following solvent evaporation. This invisible film provides a lasting anti-microbial barrier on the skin which acts to prevent microbial growth.

WO 2004/084973 A2

Best Available Copy